

Prgrm - 3.

create a class Book which contains 4 members, name, author, price, num-pages. include a constructor to set the values for the members. Include methods to set & get the details of the object. include a toString() method that could display the complete details of the book

```
import java.util.Scanner;
```

```
class Book {
```

```
    private String name;
```

```
    private String author;
```

```
    private double price;
```

```
    private int numPages;
```

```
    public Book (String name, String author, double price, int numPages) {
```

```
        this.name = name;
```

```
        this.author = author;
```

```
        this.price = price;
```

```
        this.numPages = numPages;
```

```
    }
```

```
    public void setName (String name) {
```

```
        this.name = name;
```

```
    }
```

```
    public void setAuthor (String author) {
```

```
        this.author = author;
```

```
    }
```

```
    public void setNumPages (int numPages) {
```

```
        this.numPages = numPages;
```

```
    }
```

```
    public void setPrice (double price) {
```

```
        this.price = price;
```



```
public String getName() {  
    return name;  
}
```

```
public String get Author() {  
    return author;  
}
```

```
public double getPrice() {  
    return price;  
}
```

```
public int getNumPages() {  
    return numPages;  
}
```

```
public String toString() { return "book Name: " +  
    name + " Author: " + author + " Price: " + price  
    + " Number of Pages: " + numPages;  
}
```

```
public class BookMain {
```

```
    public static void main (String [] args) {
```

```
        Scanner scanner = new Scanner (System.in);
```

```
        System.out.println ("Enter the number of books");
```

```
        int n = scanner.nextInt();
```

```
        Scanner scanner = new Scanner (System.in);
```

```
        Book[] books = new Book[n];
```

```
        for (int i = 0; i < n; i++) {
```

```
            System.out.print ("Name: ");
```

```
            String name = scanner.nextLine();
```

```
            System.out.print ("Author: ");
```

```
            String author = scanner.nextLine();
```

```
            System.out.print ("Price: ");
```

```
            double price = scanner.nextDouble();
```



```
System.out.print("Number of pages");
```

```
int numPages = Scanner.nextInt();
```

```
Scanner.nextLine();
```

```
book[i] = new Book(name, author, price,  
numPages);
```

```
}
```

```
System.out.println("In book details :");
```

```
for (Book book : books) {
```

```
System.out.println(book);
```

```
}
```

```
Scanner.close();
```

```
}
```

```
}
```

Out put :-

Enter the number of books : 3

Enter details for book 1:

Name : a

author : a

Price : 1

Number of pages : 1

Enter details for book 2:

Name : b

author : b

Price : 2

Number of pages : 2

Enter details for book 3:

Name : c

author : c

Price : 3

Number of pages : 3

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book Name a , Author a , Price 1 , Number of page

book Name b , Author d , Price 2 , Number of page

book Name c , Author c , Price 3 , Number of page